

Erratum

Erratum: Quantization of gauge theories with linearly dependent generators [Phys. Rev. D 28, 2567 (1983)]

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The following corrections should be made to our paper.

- On p. 2567, column 1, line 6 should read "stationary point" for "stationary part."
- On p. 2568, column 2, line 2 from the bottom should read "bosonic and fermionic" for "bosonic fermionic."
- On p. 2569, column 1, line 2 should read " Φ^A " for " Φ^Z ."
- On p. 2569, column 1, in Eq. (3.4), substitute " Ψ " for " ψ ."
- On p. 2569, column 1, in Eq. (3.10), substitute " Ψ " for " ψ ."
- On p. 2569, column 2, the second line after Eq. (3.15) should read "equation¹" for "equation 1."
- On p. 2569, column 2, line 26 should read "(3.15)" for "(3.5)."
- On p. 2569, column 2, the last line should read "for the boundary value of S in (3.15)" for "in virtue of (3.15)."
- On p. 2570, in the first equation of column 1, substitute " $R_{\alpha_0}^l$ " for " $R_{\alpha_0}^l$."
- On p. 2570, column 1, line 12 should read "(3.16)" for "(3.6)."
- On p. 2570, column 2, line 11 should read "open gauge" for "open-gauge."
- On p. 2572, on the right-hand side of Eq. (4.16) omit the term " $C_{1\alpha_1}^*$."
- On p. 2574, column 1, the first line after Eq. (4.30), substitute " $B_{\beta_1}^{\alpha_1}$ " for " $\beta_{\beta_1}^{\alpha_1}$."
- On p. 2574, the last term in Eq. (4.31) should read " $-\bar{C}_{0\alpha_0} A^{\alpha_0\beta_0} \kappa^{-1} \beta_{0\gamma_0} \sigma_{\beta_1\rho}^{\gamma_0} \rho^{-1} \beta_1^{\rho} \omega_{\sigma_0}^{\sigma_1} C_0^{\sigma_0}$."
- On p. 2574, in Eq. (5.3), substitute " $\mathcal{S}(\phi)$ " for " $\mathcal{S}(\Phi)$."
- On p. 2574, column 2, the fourth line after Eq. (5.6) should read "the second-stage gauge algebra" for "the gauge algebra."
- On p. 2575, on the right-hand side of Eq. (5.10), in the fourth term there should be no bar over $C_{1\alpha_1}^*$.
- On p. 2576, column 2, the third line after Eq. (6.8) should read "the same label" for "the same ghost number."
- On p. 2576, in the third line of Eq. (6.9) substitute " $\bar{C}_{2\alpha_2}$ " for " $\bar{C}_{2\alpha_1}$."
- On p. 2576, the fifth line of Eq. (6.9) should be understood as a continuation of the previous line.
- On p. 2577, in the fourth line of Eq. (6.10) the last term should read " $\bar{C}_2^{\prime\prime\alpha_2} \pi_{2\alpha_2}^{\prime\prime}$."
- On p. 2577, column 1, the second line after Eq. (6.10) should read "on the gauge fermion" for "of the gauge fermion."
- On p. 2578, column 1, line 4 from the bottom should read "with vectorial . . ." for "and vectorial . . ."
- On p. 2578, column 1, the second equation in (7.6) should read " $R_{\alpha_0}^l = (\partial_\mu \delta_\nu^\alpha - \partial_\nu \delta_\mu^\alpha) \delta(x - x_0)$."
- On p. 2578, column 2, Eq. (7.11), in the last term in the brackets place a bar over $C_{0\alpha}$.
- On p. 2579, column 1, Eq. (7.16), the second term in brackets should read " $b(\nabla^\mu \bar{C}_{0\mu})(\nabla^\nu C_{0\nu})$."
- On p. 2579, column 2, the first line after Eq. (7.22) should read " σ, x_0 , and one matrix index of γ_σ are α_0 " for " σ, x_0 , and one matrix of γ_σ and α_0 ."
- On p. 2579, in Eq. (7.23) insert the symbol of integration " \int ."
- On p. 2579, in Eq. (7.24) substitute " $\delta\Psi$ " for " $\partial\Psi$."
- On p. 2582, in the second equation substitute " $+(X_{\text{sym}})^{A_1 \cdots A_n}$ " for " $=(X_{\text{sym}})^{A_1 \cdots A_n}$."
- On p. 2582, in the second equation after the word "where" the last multiplier should be $S^{A_{k+1} \cdots A_n}$.
- On p. 2582, the list of references should include the following: A. S. Schwarz, Lett. Math. Phys. 2, 201 (1978); 2, 247 (1978); Commun. Math. Phys. 67, 1 (1979). As far as the authors know at present, this is the first work which contains the correct quantization rules (including the effects of extraghosts) for reducible theories with *closed* gauge algebras. These rules are obtained there for theories having any finite stage of reducibility in a gauge generalizing DeWitt's gauge (Ref. 10).